Solutions – Exponential to Log Equations (A)

Convert $\log_8(64) = 2$ into an exponential equation.

$8^2 = 64$

Convert $4^5 = 1024$ into a log equation.

$\log_4(1024) = 5$

Convert $\log_8(32768) = 5$ into an exponential equation.

$8^5 = 32768$

Convert $3^1 = 3$ into a log equation.

$\log_3(3) = 1$

Convert $\log_2(32) = 5$ into an exponential equation.

$2^5 = 32$

Convert $4^1 = 4$ into a log equation.

$\log_4(4) = 1$

Solutions – Exponential to Log Equations (B)

Convert $\log_7(49) = 2$ into an exponential equation.

$7^2 = 49$

Convert $\log_5(3125) = 5$ into an exponential equation.

$5^5 = 3125$

Convert $2^3 = 8$ into a log equation.

$\log_2(8) = 3$

Convert $6^2 = 36$ into a log equation.

$\log_6(36) = 2$

Convert $6^1 = 6$ into a log equation.

$\log_6(6) = 1$

Convert $\log_3(243) = 5$ into an exponential equation.

$3^5 = 243$

Solutions – Exponential to Log Equations (C)

Convert $\log_6(36) = 2$ into an exponential equation.

$6^2 = 36$

Convert $9^1 = 9$ into a log equation.

$\log_9(9) = 1$

Convert $8^1 = 8$ into a log equation.

$\log_8(8) = 1$

Convert $\log_3(9) = 2$ into an exponential equation.

$3^2 = 9$

Convert $7^3 = 343$ into a log equation.

$\log_7(343) = 3$

Convert $\log_8(32768) = 5$ into an exponential equation.

$8^5 = 32768$

Solutions – Exponential to Log Equations (D)

Convert $\log_3(9) = 2$ into an exponential equation.

$3^2 = 9$

Convert $3^3 = 27$ into a log equation.

$\log_3(27) = 3$

Convert $8^1 = 8$ into a log equation.

$\log_8(8) = 1$

Convert $3^5 = 243$ into a log equation.

$\log_3(243) = 5$

Convert $\log_4(16) = 2$ into an exponential equation.

$4^2 = 16$

Convert $\log_6(7776) = 5$ into an exponential equation.

$6^5 = 7776$

Solutions – Exponential to Log Equations (E)

Convert $\log_2(32) = 5$ into an exponential equation.

$2^5 = 32$

Convert $\log_9(81) = 2$ into an exponential equation.

$9^2 = 81$

Convert $8^2 = 64$ into a log equation.

$\log_8(64) = 2$

Convert $\log_8(32768) = 5$ into an exponential equation.

$8^5 = 32768$

Convert $4^5 = 1024$ into a log equation.

$\log_4(1024) = 5$

Convert $7^3 = 343$ into a log equation.

$\log_7(343) = 3$

Solutions – Exponential to Log Equations (F)

Convert $3^2 = 9$ into a log equation.

$\log_3(9) = 2$

Convert $\log_8(64) = 2$ into an exponential equation.

$8^2 = 64$

Convert $7^2 = 49$ into a log equation.

$\log_7(49) = 2$

Convert $\log_9(81) = 2$ into an exponential equation.

$9^2 = 81$

Convert $\log_5(5) = 1$ into an exponential equation.

$5^1 = 5$

Convert $7^5 = 16807$ into a log equation.

$\log_7(16807) = 5$

Solutions – Exponential to Log Equations (G)

Convert $5^5 = 3125$ into a log equation.

$\log_5(3125) = 5$

Convert $\log_5(625) = 4$ into an exponential equation.

$5^4 = 625$

Convert $\log_6(36) = 2$ into an exponential equation.

$6^2 = 36$

Convert $6^3 = 216$ into a log equation.

$\log_6(216) = 3$

Convert $\log_4(1024) = 5$ into an exponential equation.

$4^5 = 1024$

Convert $7^4 = 2401$ into a log equation.

$\log_7(2401) = 4$

Solutions – Exponential to Log Equations (H)

Convert $\log_9(9) = 1$ into an exponential equation.

$9^1 = 9$

Convert $9^3 = 729$ into a log equation.

$\log_9(729) = 3$

Convert $\log_6(36) = 2$ into an exponential equation.

$6^2 = 36$

Convert $\log_2(4) = 2$ into an exponential equation.

$2^2 = 4$

Convert $2^5 = 32$ into a log equation.

$\log_2(32) = 5$

Convert $4^2 = 16$ into a log equation.

$\log_4(16) = 2$

Solutions – Exponential to Log Equations (I)

Convert $\log_7(343) = 3$ into an exponential equation.

$7^3 = 343$

Convert $7^5 = 16807$ into a log equation.

$\log_7(16807) = 5$

Convert $2^4 = 16$ into a log equation.

$\log_2(16) = 4$

Convert $\log_2(16) = 4$ into an exponential equation.

$2^4 = 16$

Convert $\log_3(243) = 5$ into an exponential equation.

$3^5 = 243$

Convert $2^3 = 8$ into a log equation.

$\log_2(8) = 3$

Solutions – Exponential to Log Equations (J)

Convert $8^1 = 8$ into a log equation.

$\log_8(8) = 1$

Convert $\log_2(8) = 3$ into an exponential equation.

$2^3 = 8$

Convert $8^4 = 4096$ into a log equation.

$\log_8(4096) = 4$

Convert $\log_3(9) = 2$ into an exponential equation.

$3^2 = 9$

Convert $3^1 = 3$ into a log equation.

$\log_3(3) = 1$

Convert $\log_4(1024) = 5$ into an exponential equation.

$4^5 = 1024$